



Waldmann 

ENGINEER OF LIGHT.

ENG **Operating Manual**

Light Control

PULSE HFMD
PULSE PIR
Version IV

Dear customer,

these operating instructions apply in addition to the instructions for use of the light. Observe in particular the safety instructions stated in the instructions for use!

The operating instructions give information on additional setting options on lights equipped with the **PULSE HFMD or PULSE PIR control of version IV**. The functions described here go beyond the general operating options on the light and are usually rarely required.

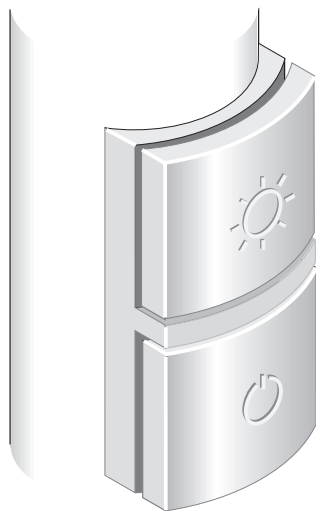
Please note that the instructions may also describe functions that are not available on each light.

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Operating units**General****- Safety instructions****- Abbreviations and symbols****Operation****- General operation****- Menu structure****- Switching on/off****- Changing the light level****- Changing the parameterising functions****-- List of the parameterising functions****-- Changing function (Example)****-- Descriptions of the functions**

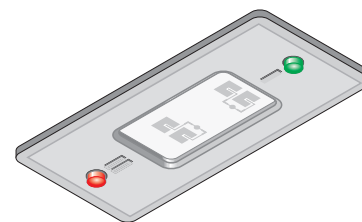
Operating units

Fig. 1



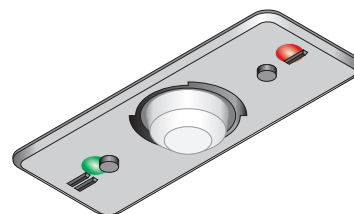
Column operating unit

Fig. 2a



Sensor operating unit
"PULSE HFMD"

Fig. 2b



Sensor operating unit
"PULSE PIR"

General information

Validity of these instructions

These instructions apply to the following lights:

- Lights equipped with Pulse HFMD from firmware vers. VFP 04.5 I
- Lights equipped with PULSE PIR from firmware vers. VFS 04.4 E



Safety instructions

Make sure to read the instructions for use of the light, before putting the light into operation!

Make sure to observe the safety instructions given in the instructions for use of the light!

Abbreviations and symbols:



Safety or warning information!



Important information



Light bar LED constantly lit



Light bar LED flashing

HFMD High-frequency motion sensor

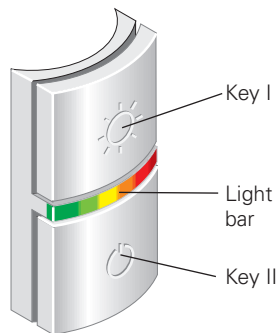
PIR Passive infrared sensor

LED Light-emitting diode

The manufacturer cannot be held liable for damage caused by using the unit for purposes contrary to the designated use or by ignoring safety instructions and warnings.

Operation

Fig. 3 (column operating unit)



Operating and display elements

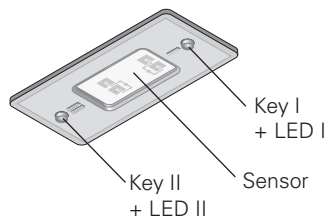
All operating and setting functions be set from the column operating unit [Fig. 3] or from the sensor operating unit [Fig. 4].

In the column operating unit, the functions and settings are displayed via the light bar.

In the sensor operating unit, all functions and settings are displayed via the two LEDs.

Note: If a column operating unit is available, the LED display in the sensor is automatically suppressed.

Fig. 4 (sensor operating unit)



In-factory setting

The lights are set in-factory such that initially they can be operated without changing the settings.

If you want to adapt the light to individual requirements, you can change the parameterising functions accordingly (see page 10-35).

Important note!

Both LEDs on the sensor are lit in green -> Burn-in function is active.

- Light control and presence control are disabled.
- Dimming is not possible.
- Wait for the burn-in time (100 operating hours) to elapse.

Restoring the in-factory setting

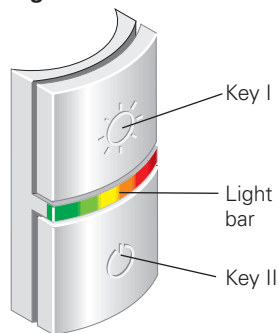
The default settings are restored by pressing one of the two keys [I or II] when connecting the light to the mains.

The following functions are restored:

- Parameterising functions are set to the default setting.
- All control parameters are set to the default setting.
- All control and follow-up times are set to the default setting.
- **The burn-in time is deleted (function „OFF“)**

General operation

Fig. 3



Operating elements

By pressing keys I and II, different functions can be executed, depending on which key was pressed:

- Switching on and off
- Changing the light level
- Changing the basic settings

Keys

The light is switched on and off by pressing key II.

The light level can be changed by pressing key I.

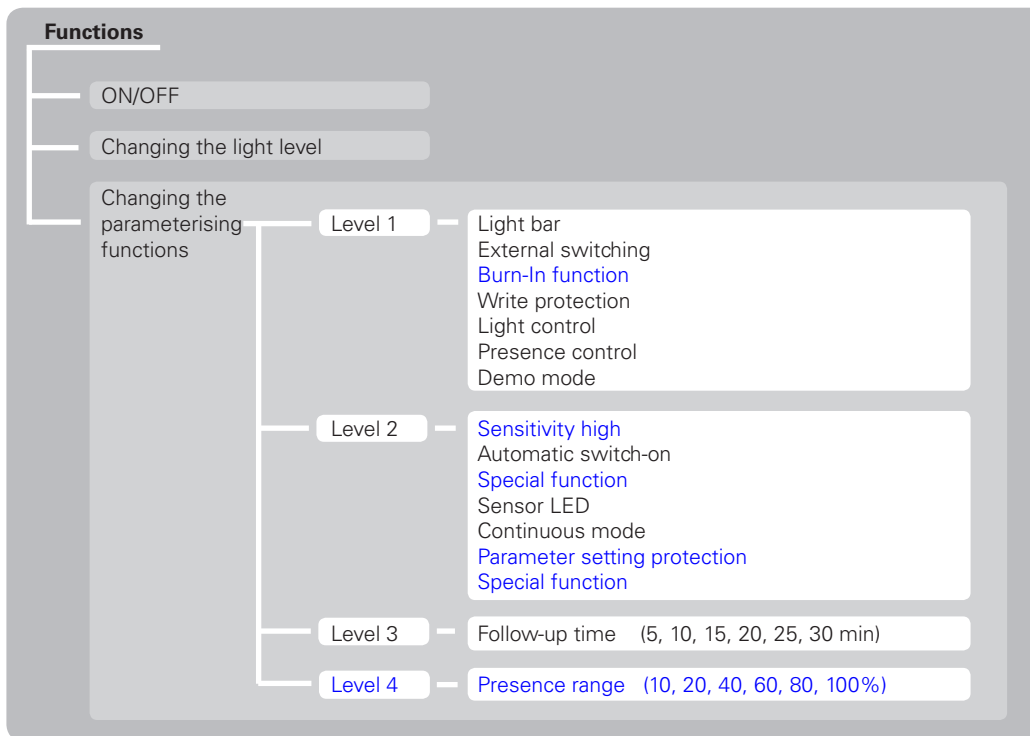
Display

The light bar in the column operating unit is only activated when basic settings are changed.

In normal operation, the light bar remains switched off.

In the Parameter Setting mode, the loaded function and its setting are displayed.

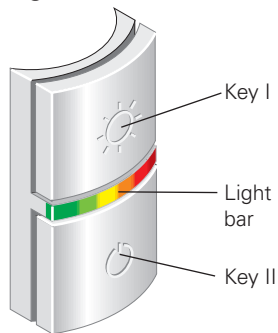
Menu structure







Note: The functions written in blue are not active in all versions.

Switching On/Off

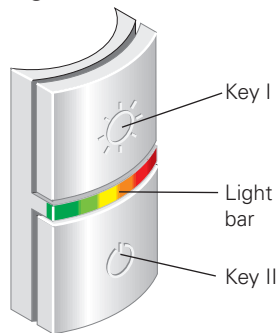
Fig. 3



	Actuation	Consequence
Switching on		
<p>The light is switched on by pressing key II.</p> <p>Note: The light can also be switched on by pressing key I.</p>	  1 x	<p>Press key II</p> <p>The light is switched on to the light level set last.</p>
Switching off		
<p>The light is switched off by pressing key II.</p>	  1 x	<p>Press key II</p> <p>The light is switched off.</p> <p>The light level set last is saved automatically.</p>




Changing the light level (dimming)

Fig. 3



Setting a new light level

The light level can be changed by pressing key I.

Actuation		Consequence
 	Press key I and hold it down.	After about 1 second, the light will change its intensity.
 	Release key I and press it again.	The dimming direction will change.

Changing the parameterising functions

Fig. 3

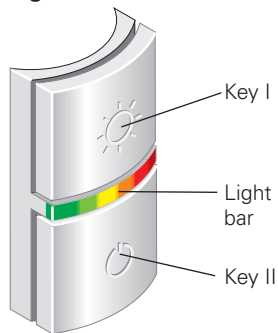
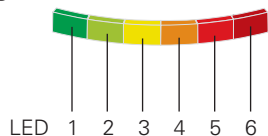


Fig. 6



Actuation

Consequence

Switching to the parameterisation mode

The parameterisation mode can be loaded by pressing both keys simultaneously for 10 seconds.



Press both keys for at least 10 seconds

The operating unit switches to the parameterisation mode (first to setting level 1).

The LEDs valid for the level will be lit on the light bar:

LED 1	Level 1
LEDs 1+2	Level 2
LEDs 1+2+3	Level 3
LEDs 1+2+3+4	Level 4

Leaving the parameterisation mode

The parameterisation mode can be left by not pressing both keys for 10 seconds.



Do not press any key for at least 10 seconds

The parameterisation mode is left.

Changing the parameterising functions (Continued)

Fig. 3

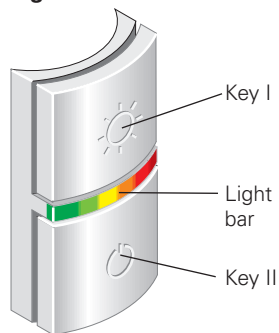
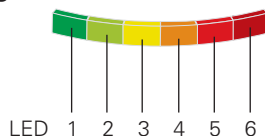








Fig. 6



Changing the setting level

The setting level can be loaded by pressing both keys simultaneously for 10 seconds.

Actuation	Consequence
    n x	<p>Press both keys for 5 seconds each as often as necessary for reaching the desired setting level.</p> <p>Level 2 has been reached when LEDs 1 + 2 are lit on the light bar.</p> <p>Level 3 has been reached when LEDs 1 to 3 are lit on the light bar.</p> <p>Level 4 has been reached when LEDs 1 to 2 are lit on the light bar.</p>
 	<p>Release both keys</p> <p>Once the desired setting level has been reached, the setting of the first function (x.1) is shown on the light bar as soon as the keys are released (LED 1 is lit or flashes dark green).</p>

Changing the parameterising functions (Continued)

Fig. 3

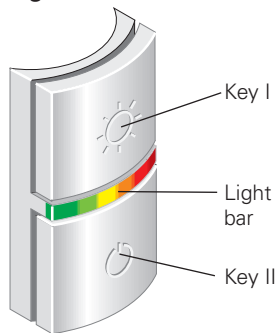
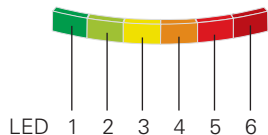


Fig. 6



Changing the function

The desired function can be loaded by pressing key II.

Actuation



n x

Press key II as often as necessary for reaching the desired function.

Consequence

The LED valid for the function will be lit or flash on the light bar:

LED 1	Function x.1
LED 2	Function x.2
LED 3	Function x.3
LED 4	Function x.4
LED 5	Function x.5
LED 6	Function x.6
LEDs 5+6	Function x.7

Changing the parameterising functions (Continued)

Fig. 3

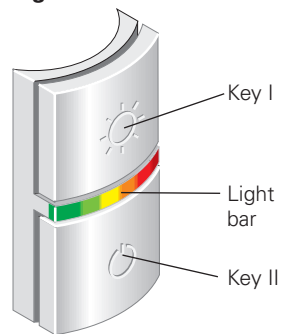
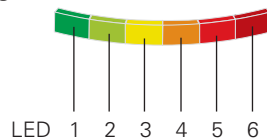


Fig. 6



Actuation

Consequence

Changing the setting

The function can be toggled between active and inactive by pressing key I.



n x

Press key I as often as necessary for reaching the desired setting.

The LED on the light bar is continuously lit or flashes to indicate whether a function is active (ON) or inactive (OFF), for example:

- LED constantly lit:
Function active (ON)
- LED flashing:
Function inactive (OFF)

List of the parameterising functions

Fig. 3

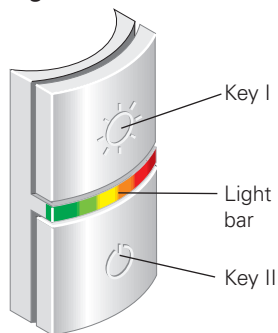
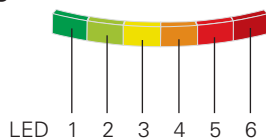


Fig. 6



The following functions can be selected:

The bold-printed values are the in-factory defaults

Level	Function	Light bar (Fig. 6)	Designation
1	Func. 1.1:	LED 1 (dark green)	Light bar ON/OFF
1	Func. 1.2:	LED 2 (light green)	External switching ON/OFF
1	Func. 1.3:	LED 3 (yellow)	Burn-In function ON/OFF
1	Func. 1.4:	LED 4 (orange)	Write protection ON/OFF
1	Func. 1.5:	LED 5 (light red)	Light control ON/OFF
1	Func. 1.6:	LED 6 (dark red)	Presence control ON/OFF
1	Func. 1.7:	LED 6+5	Demo mode ON/OFF
2	Func. 2.1:	LED 1 (dark green)	Sensitivity high ON/OFF
2	Func. 2.2:	LED 2 (light green)	Automatic switch-on ON/OFF
2	Func. 2.3:	LED 3 (yellow)	Special function ON/OFF
2	Func. 2.4:	LED 4 (orange)	Sensor LED ON/OFF
2	Func. 2.5:	LED 5 (light red)	Continuous mode ON/OFF
2	Func. 2.6:	LED 6 (dark red)	Parameter setting protection ON/OFF
2	Func. 2.7:	LEDs 6+5	Special function ON/OFF
3	Func. 3.1 - 3.6:	LEDs 1-6	Follow-up time 5, 10 , 15, 20, 25, 30 min
4	Func. 4.1 - 4.6:	LEDs 1-6	Range 10, 20, 40, 60, 80 , 100 %

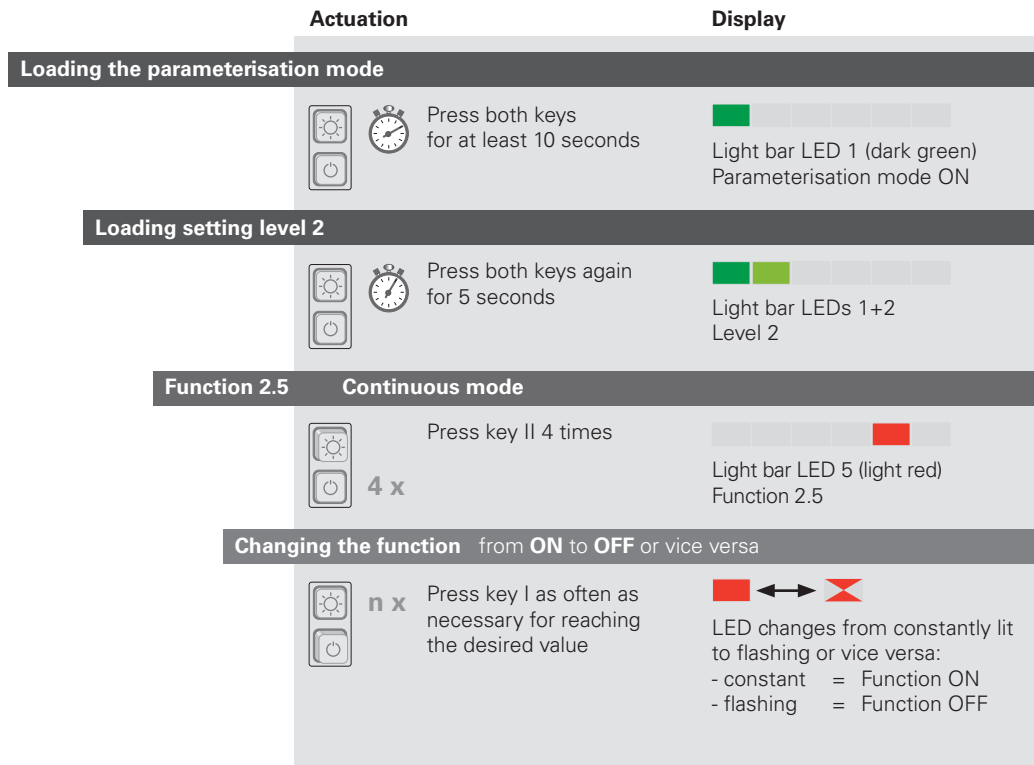
Note: The functions written in blue are not active in all versions. Please note the explanations of the functions on the following pages.

Changing the parameterising functions (Example)

Example

How to load and change the function x.y is shown using the function 2.5 "Continuous mode" as an example.

- To load the parameterisation function:
press both keys for at least 10 seconds
- To load setting level x:
press both keys (x-1) times for 2 seconds
- To load function y:
press key II (y-1) times
- To change the function:
press key I
- To leave the parameterisation mode:
do not press any key for at least 10 seconds.



Setting function 1.1

Light bar

Function for switching the light bar on and off.

By default, the function is set to "ON". The light bar is on.

When the function is changed, the light bar remains switched off in normal operation.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor
- Dimmable lights

Note: In lights without column operating unit, this function is not active.

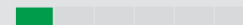
Actuation

Display

Loading the parameterisation mode



Press both keys for at least 10 seconds

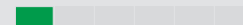


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



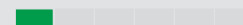
Release both keys



Light bar LED 1 (dark green)
Level 1

Function 1.1 Light bar

Jump to function 1.1 takes place automatically



Light bar LED 1 (dark green)
Function 1.1

Changing the function from ON to OFF or vice versa



n x

Press key I as often as necessary for reaching the desired value



LED changes from constantly lit to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF

Setting function 1.2

External switching

Function for operating the light via external switching elements.

By default, the function is set to "OFF". When power is supplied from an external source, the light remains switched off.

When the function is on, the light will switch to the level set last as soon as the power supply is connected (e.g. via a switched socket).

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor
- Dimmable lights

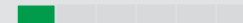
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

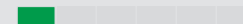


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



Release both keys



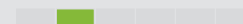
Light bar LED 1 (dark green)
Level 1

Function 1.2 External switching



Press key II once

1 x



Light bar LED 2 (light green)
Function 1.2

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:
- constant = Function ON
- flashing = Function OFF

Setting function 1.3

Burn-in function

Function for burning in the lamps

By default, the function is set ex works to "OFF". When the burn-in function is activated, the following functions are disabled:

- Light control
- Presence function
- Dimming function

After 100 operating hours, the function is automatically set to "OFF" again, i.e., the light can now be operated without restrictions.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

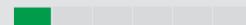
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

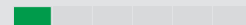


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



Release both keys



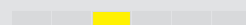
Light bar LED 1 (dark green)
Level 1

Function 1.3 Burn-In function



2 x

Press key II twice



Light bar LED 3 (yellow)
Function 1.3

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF

Setting function 1.4

Write protection

Function for allowing or preventing setting changes.

By default, the function is set to "OFF", i.e., set levels can always be overwritten.

The levels cannot be changed if the write protection is active.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

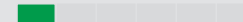
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

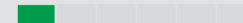


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



Release both keys



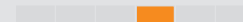
Light bar LED 1 (dark green)
Level 1

Function 1.4 Write protection



3 x

Press key II 3 times



Light bar LED 4 (orange)
Function 1.4

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF

Setting function 1.5

Light control

Function for the automatic readjustment of the set brightness in case the ambient brightness changes.

By default, the function is set to "ON", i.e., the light control is functioning.

If the light control is off, the light functions as a dimmable light.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

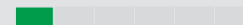
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

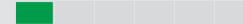


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



Release both keys



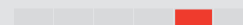
Light bar LED 1 (dark green)
Level 1

Function 1.5 Light control



4 x

Press key II 4 times



Light bar LED 5 (light red)
Function 1.5

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF

Setting function 1.6

Presence control

Function for detecting the presence of persons.

By default, the function is set to "ON", i.e., the presence control is functioning.

When the function is on, the light will be automatically switched off when no presence is detected over a certain period of time.

If the presence control is switched off, the light functions as a light with light control or as a dimmable light.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

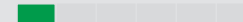
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

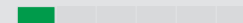


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



Release both keys



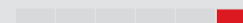
Light bar LED 1 (dark green)
Level 1

Function 1.6 Presence control



5 x

Press key II 5 times



Light bar LED 6 (dark red)
Function 1.6

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:
- constant = Function ON
- flashing = Function OFF

Setting function 1.7

Demo mode

Function for demonstration and for testing the light functions.

By default, the function is set to "OFF", i.e., the demo mode is not functioning.

When the demo mode is on, all control times are effective within seconds.

Note: This mode is left automatically 10 minutes after the last key press.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

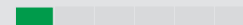
Actuation

Display

Loading the parameterisation mode



Press both keys for at least 10 seconds

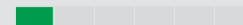


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 1



Release both keys



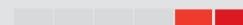
Light bar LED 1 (dark green)
Level 1

Function 1.7 Demo mode



6 x

Press key II 6 times



Light bar LEDs 5+6
Function 1.7

Changing the function from ON to OFF or vice versa



n x

Press key I as often as necessary for reaching the desired value



LEDs change from constantly lit to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF



Setting function 2.1

Sensitivity high













Function for changing the sensitivity of the presence control.

By default, the function is set to "ON", i.e., the presence has its normal sensitivity (100%). Small movements are also detected within the detection range of the sensor.

When the function is set to "OFF", the presence sensor works with reduced sensitivity (approx. 50%). Small movements are no longer detected within the detection range of the sensor.

The function can only be changed on

- Lights equipped with HFMD sensor

Actuation	Display
Loading the parameterisation mode	
  Press both keys for at least 10 seconds	 Light bar LED 1 (dark green) Parameterisation mode ON
Loading setting level 2	
  Press both keys again for 5 seconds	 Light bar LEDs 1+2 Level 2
Function 2.1 Sensitivity high	
 Release both keys	 Light bar LED 1 (dark green) Function 2.1
Changing the function from ON to OFF or vice versa	
 n x Press key as often as necessary for reaching the desired value	   LED changes from constantly lit to flashing or vice versa: - constant = Function ON - flashing = Function OFF

Setting function 2.2

Automatic switch-on

Function for allowing or suppressing automatic switch-on when light is insufficient or in case of presence (semi-automatic).

By default, the function is set to "ON", i.e., the light is automatically switched on in case of presence or when light is insufficient.

When automatic switch-on is off, the light has to be switched on manually even in case of presence.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

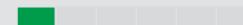
Actuation

Display

Loading the parameterisation mode



Press both keys for at least 10 seconds

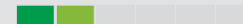


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 2



Press both keys again for 5 seconds



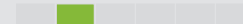
Light bar LEDs 1+2
Level 2

Function 2.2 Automatic switch-on



1 x

Press key II once



Light bar LED 2 (light green)
Function 2.2

Changing the function from ON to OFF or vice versa



n x

Press key I as often as necessary for reaching the desired value



LED changes from constantly lit to flashing or vice versa:
- constant = Function ON
- flashing = Function OFF

Setting function 2.3

Special function

The special function cannot be used.

The function cannot be changed.

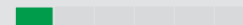
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

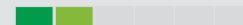


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 2



Press both keys again
for 5 seconds



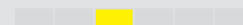
Light bar LEDs 1+2
Level 2

Function 2.3 Special function



2 x

Press key II twice



Light bar LED 3 (yellow)
Function 2.3

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF

Setting function 2.4

Sensor LED

Function for switching both LEDs in the operating unit sensor on and off (see Fig. 4).

By default, the function is set to "OFF", i.e., the LEDs in the light head are off.

For lights without column operating unit, the function is set to "ON".

If the function is on, the LEDs in the light head are lit in addition to the light bar display.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

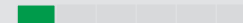
Actuation

Display

Loading the parameterisation mode



Press both keys for at least 10 seconds

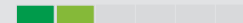


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 2



Press both keys again for 5 seconds



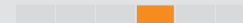
Light bar LEDs 1+2
Level 2

Function 2.4 Sensor LED



3 x

Press key II 3 times



Light bar LED 4 (light green)
Function 2.4

Changing the function from ON to OFF or vice versa



n x

Press key I as often as necessary for reaching the desired value



LED changes from constantly lit to flashing or vice versa:
- constant = Function ON
- flashing = Function OFF

Setting function 2.5

Continuous operation

Function for setting the light to continuous mode.

By default, the function is set to "OFF".

When the function is switched on, the light will work in continuous mode. Even if no presence is detected, the light will be lit at the lowest level.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

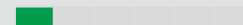
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

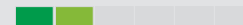


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 2



Press both keys again
for 5 seconds



Light bar LEDs 1+2
Level 2

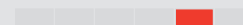
Function 2.5

Continuous mode



4 x

Press key II 4 times



Light bar LED 5 (light red)
Function 2.5

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF

Setting function 2.6

Parameter setting protection

Function for activating the parameter setting protection (required for final inspection)

By default, the function is set to "OFF".

When the function is switched on, a factory reset will not overwrite the set parameters. The parameter setting of the electronic ballast units will be carried out.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

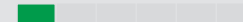
Actuation

Display

Loading the parameterisation mode



Press both keys for at least 10 seconds

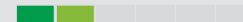


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 2



Press both keys again for 5 seconds



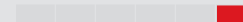
Light bar LEDs 1+2
Level 2

Function 2.6 Parameter setting protection



5 x

Press key II 5 times



Light bar LED 6 (dark red)
Function 2.6

Changing the function from ON to OFF or vice versa



n x

Press key I as often as necessary for reaching the desired value



LED changes from constantly lit to flashing or vice versa:
- constant = Function ON
- flashing = Function OFF

Setting function 2.7

Special function

The special function cannot be used.

The function cannot be changed.

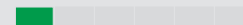
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds

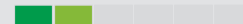


Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 2



Press both keys again
for 5 seconds



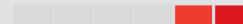
Light bar LEDs 1+2
Level 2

Function 2.7 Special function



6 x

Press key II 6 times



Light bar LEDs 5+6
Function 2.7

Changing the function from ON to OFF or vice versa



n x

Press key I as often as
necessary for reaching
the desired value



LED changes from constantly lit
to flashing or vice versa:

- constant = Function ON
- flashing = Function OFF



Setting functions 3.1 to 3.6

Follow-up time

Function for setting the time after which the light is to be switched off if no presence is detected.

By default, the follow-up time is set to 10 min.

6 different follow-up times from 5 to 30 min can be set.

The function can be changed on

- Lights equipped with HFMD sensor
- Lights equipped with PIR sensor

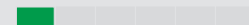
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds



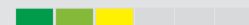
Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 3



2 x

Press both keys again
twice
for 5 seconds each

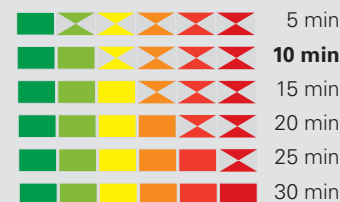


Light bar LEDs 1+2+3
Level 3

Show follow-up time



Release both keys



Light bar LEDs 1-6
some are flashing

Continued >

Setting functions 3.1 to 3.6 (Continued)

Follow-up time

(Continued)

Actuation

Display

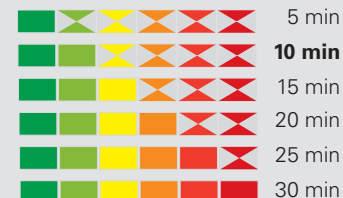
Changing the function - Increasing the follow-up time step-by-step



n x Press key I as often as necessary for reaching the desired value



Light bar LEDs 1-6
some are flashing
Follow-up time level 3 (15 min)



Each LED that is not flashing stands for a follow-up time of 5 min.

Changing the function - Decreasing the follow-up time step-by-step



n x Press key II as often as necessary for reaching the desired value



Light bar LEDs 1-6
some are flashing
Follow-up time level 1 (5 min)

Setting functions 4.1 to 4.6

Presence range

Function for setting the detection range of the presence sensor.

By default, the range for the presence sensor is set to 80%.

6 different levels from 10% to 100% can be set.

The function can only be changed on

- Lights equipped with HFMD sensor

Note: For lights equipped with PIR sensor, the range can be changed by turning the sensor ball (see instructions for use of the light).

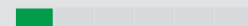
Actuation

Display

Loading the parameterisation mode



Press both keys
for at least 10 seconds



Light bar LED 1 (dark green)
Parameterisation mode ON

Loading setting level 4



3 x

Press both keys again
three times
for 5 seconds each

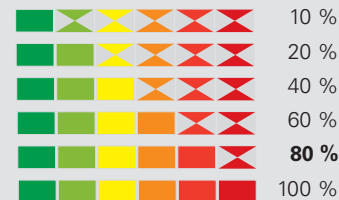


Light bar LEDs 1+2+3+4
Level 4

Displaying the presence range



Release both keys



Light bar LEDs 1-6
some are flashing

Continued >

Setting functions 4.1 to 4.6 (Continued)

Presence range

(Continued)

Actuation

Display

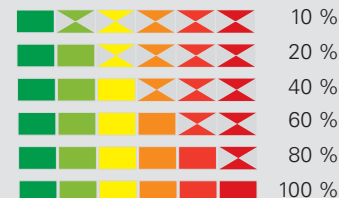
Changing the function - Increasing the presence range step-by-step



n x Press key I as often as necessary for reaching the desired value



Light bar LEDs 1-6
some are flashing
Presence range level 6 (100 %)



Changing function - Decreasing presence range step-by-step



n x Press key II as often as necessary for reaching the desired value



Light bar LEDs 1-6
some are flashing
Presence range level 4 (60 %)

Waldmann 
ENGINEER OF LIGHT.